# MONTHLY BULLETIN

OF

# THE OBSERVATORY

## AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

**May 1947**

ROBERT W. SLOANE, DIRECTOR

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WEATHER BUREAU

# MAY 1947

## METEOROLOGICAL REGISTER

| Date | Barometer reduced to O°C Sea level and 45° Latitude 700 mm. + ... | | | | Thermometer Degrees Centigrade | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 8.30 | 14:30 | 20:30 | Mean | Max. | Min. | 8:30 | 14:30 | 20:30 | Mean |
| 1 | 60.5 | 60.2 | 60.9 | 60.5 | 27.5 | 18.3 | 23.7 | 24.5 | 19.2 | 22.5 |
| 2 | 57.5 | 0.7 | 0.3 | 59.5 | 28.9 | 20.1 | 22.9 | 27.7 | 22.2 | 24.3 |
| 3 | 9.6 | 1.3 | 59.1 | 60.0 | 29.5 | 21.7 | 26.1 | 27.2 | 22.2 | 25.1 |
| 4 | 6.3 | 55.6 | 6.7 | 56.2 | 30.3 | 20.2 | 27.2 | 27.2 | 22.2 | 25.5 |
| 5 | 7.3 | 7.6 | 7.9 | 7.6 | 28.9 | 20.5 | 23.9 | 27.2 | 22.8 | 24.6 |
| 6 | 59.0 | 58.7 | 58.7 | 58.8 | 27.2 | 20.2 | 23.8 | 24.4 | 20.5 | 23.9 |
| 7 | 8.9 | 8.8 | 9.7 | 9.1 | 29.3 | 19.1 | 24.8 | 27.2 | 20.5 | 24.2 |
| 8 | 60.4 | 61.1 | 8.3 | 9.9 | 25.2 | 19.1 | 22.5 | 23.2 | 20.6 | 22.1 |
| 9 | 1.0 | 0.6 | 60.3 | 60.6 | 26.3 | 17.9 | 21.9 | 23.8 | 24.4 | 23.4 |
| 10 | 58.6 | 58.1 | 58.2 | 58.3 | 25.0 | 17.3 | 20.9 | 22.3 | 19.4 | 20.9 |
| 11 | 58.5 | 58.3 | 58.5 | 58.4 | 26.0 | 17.8 | 23.4 | 24.3 | 19.4 | 22.4 |
| 12 | 8.4 | 8.0 | 8.2 | 8.2 | 25.8 | 16.1 | 20.7 | 21.1 | 17.2 | 19.7 |
| 13 | 8.0 | 8.5 | 9.1 | 8.5 | 25.1 | 17.2 | 17.1 | 23.4 | 18.0 | 19.5 |
| 14 | 60.5 | 61.0 | 61.4 | 61.0 | 26.0 | 17.3 | 22.7 | 24.8 | 19.3 | 22.3 |
| 15 | 1.2 | 1.8 | 1.3 | 1.4 | 25.4 | 17.4 | 22.1 | 23.4 | 19.6 | 21.7 |
| 16 | 59.4 | 58.6 | 58.0 | 58.7 | 27.8 | 21.4 | 24.0 | 24.3 | 21.6 | 23.3 |
| 17 | 7.5 | 7.5 | 9.5 | 8.2 | 27.9 | 20.5 | 27.2 | 25.4 | 21.0 | 24.5 |
| 18 | 60.7 | 9.3 | 8.6 | 9.5 | 28.1 | 21.9 | 22.4 | 26.1 | 22.2 | 23.6 |
| 19 | 58.4 | 8.8 | 60.0 | 9.1 | 30.2 | 20.6 | 26.1 | 28.3 | 20.7 | 25.0 |
| 20 | 61.6 | 61.2 | 1.4 | 61.4 | 28.4 | 19.2 | 25.5 | 26.2 | 21.5 | 24.4 |
| 21 | 61.6 | 60.5 | 60.2 | 60.8 | 28.9 | 22.0 | 25.1 | 26.6 | 22.2 | 24.6 |
| 22 | 59.0 | 57.1 | 55.4 | 57.2 | 28.8 | 21.0 | 24.9 | 25.0 | 22.7 | 24.2 |
| 23 | 6.4 | 62.8 | 7.3 | 8.8 | 29.2 | 19.7 | 24.9 | 27.7 | 21.7 | 24.8 |
| 24 | 7.8 | 4.4 | 8.4 | 60.2 | 28.7 | 20.5 | 25.0 | 27.2 | 21.9 | 24.7 |
| 25 | 8.1 | 57.1 | 7.3 | 57.5 | 28.8 | 21.2 | 24.1 | 26.3 | 22.5 | 24.3 |
| 26 | 57.7 | 57.5 | 57.8 | 57.7 | 29.4 | 20.6 | 25.6 | 28.3 | 22.6 | 25.5 |
| 27 | 6.9 | 7.0 | 7.3 | 7.1 | 31.2 | 22.3 | 26.6 | 26.9 | 23.1 | 25.5 |
| 28 | 6.9 | 6.0 | 6.0 | 6.3 | 32.0 | 22.2 | 28.8 | 30.0 | 23.9 | 27.6 |
| 29 | 6.2 | 6.3 | 7.7 | 6.7 | 32.1 | 21.8 | 27.9 | 29 8 | 22.7 | 26.8 |
| 30 | 7.6 | 8.7 | 8.4 | 8.2 | 30.7 | 21.7 | 26.1 | 28.3 | 23.3 | 25.9 |
| 31 | 8.3 | 8.1 | 8.4 | 8.3 | 28.9 | 20.2 | 25.6 | 27.7 | 22.7 | 25.3 |
| | 58.70 | 59.07 | 58.71 | 58.82 | 28.30 | 19.90 | 24.30 | 25.99 | 21.41 | 23.90 |

**Barometer, range for month** 761.6 — 755.4 mm.
„ 71-yr. average for month 759.50 mm.
**Thermometer, range for month** 32.1° — 16.1°C
„ 71-yr. average for month 22.48 °C.
**Rain, total for month** 21.59 m.m.
„ 71-yr. average for month 18.15 m.m.
„ Total, Sept. 1st. to end of month 831.60 mm.
„ 71-yr. average, Sept. 1st. to end of month 888.15 mm.

# MAY 1947

## METEOROLOGICAL REGISTER

| Date | Pressure of Water Vapor mm. | | | | Relative Humidity per cent. | | | | Sun. | Wind per day | Rain |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 8:30 | 14:30 | 20:30 | Mean | 8:30 | 14:30 | 20:30 | Mean | Hrs. | Kms. | m.m. |
| 1 | 16.2 | 15.1 | 15.4 | 15.6 | 74 | 67 | 93 | 78 | 12.1 | 278.0 | |
| 2 | 16.3 | 20.1 | 11.9 | 16.1 | 79 | 72 | 59 | 70 | 12.2 | 330.0 | |
| 3 | 16.2 | 20.5 | 11.9 | 16.2 | 64 | 76 | 59 | 66 | 12.0 | 198.0 | |
| 4 | 18.0 | 21.1 | 14.9 | 18.0 | 67 | 79 | 75 | 74 | 11.9 | 322.0 | |
| 5 | 17.7 | 21.2 | 14.2 | 17.7 | 80 | 79 | 69 | 76 | 10.8 | 253.0 | |
| 6 | 18.5 | 19.3 | 16.7 | 18.2 | 84 | 83 | 94 | 87 | 6.0 | 433.0 | |
| 7 | 18.8 | 19.9 | 16.9 | 18.5 | 81 | 75 | 95 | 84 | 9.2 | 346.0 | |
| 8 | 16.0 | 15.9 | 17.3 | 16.4 | 77 | 76 | 96 | 83 | 5.3 | 388.0 | |
| 9 | 14.0 | 13.6 | 10.6 | 12.7 | 71 | 62 | 46 | 60 | 8.0 | 214.0 | |
| 10 | 13.9 | 15.5 | 13.9 | 14.4 | 75 | 78 | 83 | 79 | 5.5 | 320.0 | |
| 11 | 14.1 | 14.4 | 13.0 | 13.8 | 66 | 64 | 77 | 69 | 7.5 | 421.0 | 0.51 |
| 12 | 12.9 | 14.6 | 12.8 | 13.4 | 71 | 78 | 88 | 79 | 5.4 | 684.0 | 11.94 |
| 13 | 14.0 | 15.6 | 13.9 | 14.5 | 95 | 73 | 91 | 86 | 6.9 | 415.0 | 8.38 |
| 14 | 15.6 | 17.0 | 14.9 | 15.8 | 77 | 73 | 89 | 80 | 11.8 | 520.0 | 0.76 |
| 15 | 15.6 | 16.7 | 14.6 | 15.6 | 79 | 79 | 86 | 81 | 5.6 | 72.0 | |
| 16 | 19.5 | 16.2 | 17.2 | 17.6 | 62 | 72 | 90 | 75 | 6.0 | 383.0 | |
| 17 | 16.2 | 19.7 | 17.7 | 17.9 | 60 | 81 | 95 | 79 | 8.0 | 594.0 | |
| 18 | 17.9 | 19.0 | 16.2 | 17.7 | 89 | 75 | 82 | 82 | 5.7 | 322.0 | |
| 19 | 18.9 | 21.8 | 17.7 | 19.5 | 74 | 77 | 97 | 83 | 9.6 | 90.0 | |
| 20 | 22.3 | 20.0 | 18.2 | 20.2 | 71 | 80 | 95 | 82 | 11.6 | 138.0 | |
| 21 | 17.8 | 20.6 | 17.7 | 18.7 | 75 | 80 | 89 | 80 | 5.2 | 356.0 | |
| 22 | 19.3 | 18.7 | 19.2 | 19.1 | 81 | 79 | 93 | 84 | 8.8 | 800.0 | |
| 23 | 18.5 | 21.7 | 19.1 | 19.8 | 79 | 79 | 99 | 86 | 12.2 | 448.0 | |
| 24 | 18.9 | 20.9 | 18.9 | 19.6 | 80 | 78 | 97 | 85 | 11.5 | 455.0 | |
| 25 | 18.4 | 19.9 | 18.5 | 18.9 | 82 | 79 | 91 | 84 | 11.0 | 272.0 | |
| 26 | 19.8 | 21.7 | 18.6 | 20.0 | 81 | 76 | 91 | 83 | 11.8 | 363.0 | |
| 27 | 18.1 | 21.7 | 18.5 | 19.4 | 69 | 83 | 88 | 80 | 12.0 | 322.0 | |
| 28 | 16.2 | 22.6 | 19.3 | 19.4 | 54 | 71 | 88 | 71 | 12.3 | 306.0 | |
| 29 | 19.8 | 23.0 | 19.6 | 20.8 | 71 | 74 | 95 | 80 | 9.6 | 161.0 | |
| 30 | 20.3 | 21.6 | 19.8 | 20.6 | 81 | 76 | 93 | 83 | 10.5 | 177.0 | |
| 31 | 20.4 | 19.2 | 17.0 | 18.9 | 84 | 69 | 83 | 79 | 11.4 | 459.0 | |
| | 17.42 | 19.00 | 16.32 | 17.58 | 75.2 | 75.6 | 86.0 | 78.9 | 9.27 | 349.71 | 0.696 |

Height of Barometer above sea level: 33.7 meters.

" " Thermometers above ground:

Dry and wet 1.55 m.; Max. 1.75 m.; Min. 1.70 m.

Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.

Time of reading minus 2 hours equals G.C.T.

71 year averages are for period, 1875-1945

# MAY 1947

## METEOROLOGICAL REGISTER

| Date | Clouds Clear—0 Overcast—10 | | | | Direction and force of wind Beaufort scale | | | Sea | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | 8:30 | 14:30 | 20:30 | Mean | 8:30 | 14:30 | 20:30 | | |
| 1 | 0 | 0 | 0 | 0.0 | 1ne | 1ne | 0 | light | |
| 2 | 0 | 0 | 0 | 0.0 | 1nw | 1sw | 1sw | „ | |
| 3 | 0 | 0 | 0 | 0.0 | 1ne | 1ne | 1ne | slight | |
| 4 | 0 | 1cu | 0 | 0.3 | 1nw | 1ne | 1nw | „ | |
| 5 | 4cu-ci | 1ci | 0 | 1.7 | 2sw | 1sw | 1nw | light | |
| 6 | 9cu-st | 10cu-st | 1ci | 6.7 | 2sw | 1sw | 0 | light | |
| 7 | 0 | 0 | 0 | 0.0 | 1sw | 1sw | 0 | „ | |
| 8 | 9cu-ci | 10cu | 8cu | 9.0 | 2sw | 1sw | 0 | slight | |
| 9 | 10cu | 8cu-ci | 10cu | 9.3 | 2sw | 1sw | 1sw | „ | Traces p.m. |
| 10 | 6cu | 10cu | 9cu | 8.3 | 1sw | 1n | 1ne | light | |
| 11 | 8cu | 5cu-ci | 2cu | 5.0 | 2sw | 2w | 1sw | slight | |
| 12 | 8cu | 10cu | 2cu | 5.0 | 2sw | 3sw | 2sw | mod. | |
| 13 | 9cu-ni | 3cu | 2cu | 4.7 | 1sw | 2sw | 1sw | slight | |
| 14 | 6cu | 2cu | 5cu | 4.3 | 2sw | 2sw | 1sw | light | |
| 15 | 10cu | 10cu | 0 | 8.7 | 1sw | 1sw | 1ne | „ | |
| 16 | 0 | 5cu-ci | 10cu | 5.0 | 1sw | 1ne | 1w | light | |
| 17 | 10ci-st | 0 | 1cu | 3.7 | 2sw | 2w | 0 | „ | Traces a.m. |
| 18 | 10cu-ni | 5ci | 5cu | 6.7 | 1sw | 1ne | 1ne | „ | „ „ |
| 19 | 2ci | 2ci | 0 | 1.3 | 1ne | 1ne | 0 | „ | |
| 20 | 0 | 0 | 0 | 0.0 | 1nw | 1ne | 0 | „ | |
| 21 | 0 | 8ci | 10ci-st | 6.0 | 1ne | 1ne | 0 | light | |
| 22 | 9cu-ci | 10cu | 0 | 6.3 | 2ne | 2ne | 1ne | slight | W. at night |
| 23 | 0 | 0 | 0 | 0.0 | 2sw | 2sw | 1sw | „ | |
| 24 | 0 | 0 | 0 | 0.0 | 2sw | 1sw | 0 | light | |
| 25 | 0 | 0 | 0 | 0.0 | 1w | 1nw | 1nw | „ | |
| 26 | 2ci | 0 | 1ci | 1.0 | 3sw | 2nw | 1nw | light | |
| 27 | 0 | 0 | 0 | 0.0 | 1sw | 1sw | 1sw | calm | |
| 28 | 7cu | 0 | 0 | 2.3 | 1w | 1ne | 1ne | light | |
| 29 | 0 | 0 | 0 | 0.0 | 1ne | 1ne | 1n | „ | |
| 30 | 3ci | 0 | 0 | 1.0 | 1w | 1nw | 1ne | „ | |
| 31 | 2cu | 1cu | 7cu | 3.3 | 2sw | 2sw | 1sw | „ | |
| | | | | 3.21 | | | | | |

* Abbreviations :— G = gale ; H = haze ; M = mist ; T = thunderstorm ; D = dew. W = strong wind; Tr = trace of rain

### Number of Daily Wind Observations

| Time | N | NE | E | SE | S | SW | W | NW | Calm | Totals |
|---|---|---|---|---|---|---|---|---|---|---|
| 8:30 | 0 | 6 | 0 | 0 | 0 | 19 | 3 | 3 | 0 | 31 |
| 14:30 | 1 | 11 | 0 | 0 | 0 | 14 | 2 | 3 | 0 | 31 |
| 20:30 | 1 | 7 | 0 | 0 | 0 | 9 | 1 | 4 | 9 | 31 |
| Mean | 2 | 24 | 0 | 0 | 0 | 42 | 6 | 10 | 9 | 93 |

Number of days with rain 4, fog 0, thunderstorms 0, gale 0.

71 yr. av. number of days with rain during month 3.08